



New York Mini Split AC

Payless Mini Split

PayLessMiniSplit.com is a supplier and skilled specialist in the field of Environmental Control Systems. Based in Miami Florida, we have organized an expanding team of HVAC specialists who combine to offer the expertise and system reference for each individual application. We are specialized on Ductless Split AC's and any appliance that operates to serve air temperature management. Rather than marketing a random assortment of products, we exclusively deal with household appliances related to temperature management. This structure not only gives us the opportunity to offer the largest variety of related appliances but also gives patrons the convenience of browsing a selection that is specific to your application. With a prospect retail store and catalog in the works, PayLessMiniSplit.com is constantly growing while continuing to provide responsive customer support and remaining loyal to the HVAC profession.

Ductless, Mini-Split Air Conditioners

Ductless mini split air conditioners (mini splits) have lots of potential applications in residential and commercial structures. The most common applications are in multifamily housing or as retrofit add-ons to houses with "Central" heating systems, things like hydronic heating, radiant panels, and space heaters (wood, propane, kerosene). They can also be a good choice for room additions and small apartments, where extending or installing distribution ductwork (for a central air-conditioner or heating systems) is not feasible. Like traditional split systems, mini splits have two main components the outdoor condenser, and an indoor air handler unit. A conduit, which houses the power cable, refrigerant tubing, suction tubing, and a condensate drain, links the outdoor and indoor units.

Advantages

The main advantages of mini splits are their small size and flexibility for zoning and conditioning individual rooms. Many models can have as many as four and five indoor air handling units (for five zones or rooms) connected to one outdoor unit. The number depends on how much heating or cooling is required for the building or each zone (which in turn is affected by how well the building is insulated). Since each of the zones will have it's own thermostat, you only need to condition that place when someone is there. This will save energy and money. Since mini splits have no ducts, they avoid the energy losses associated with ductwork of central forced air systems. Duct losses can account for more than 30% of energy consumption for space conditioning, especially if the ducts are in a unconditioned space such as an attic.

Disadvantages

The primary disadvantage of mini splits is their cost. Such systems cost about \$1,500-\$2,000 per ton (12,000 Btu per hour) of cooling capacity. This is about 30% more than central systems (not including ductwork) and may cost twice as much as window units of similar capacity. The installer must also correctly size each indoor unit and judge the best location for its installation. Oversized or incorrectly located air-handlers often result in short-cycling, which wastes energy and does not provide proper temperature or humidity control. Too large a system is also more expensive to buy and operate. They need to use (and charge for) these to earn a return on their investment, so they may not recommend ductless systems except where a ducted system would be difficult for them to install.

Central Air Conditioning



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